
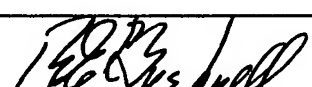


| 0002/PTO U.S. Department of Commerce Patent and Trademark Office <div style="text-align: center;">  </div> | | COMPLETE IF KNOWN | | | | | | | | | | | | | | | |
|---|---|----------------------|---|------------------------------------|-------------------------|----------|--------|-----------------|----------|------|---------|----------------|----------|--------|--|--|----------|
| | | Application Number | | 10/706,984 Patent No. 7,176,614 | | | | | | | | | | | | | |
| | | Filing Date | | 11/14/2003 | | | | | | | | | | | | | |
| | | First Named Inventor | | Soo-Joung LEE et al. | | | | | | | | | | | | | |
| | | Group Art Unit | | 2879 | | | | | | | | | | | | | |
| | | Examiner Name | | RAABE, CHRISTOPHOER, M | | | | | | | | | | | | | |
| TOTAL AMOUNT OF PAYMENT | | \$130.00 | | Attorney Docket Number P56908 | | | | | | | | | | | | | |
| METHOD OF PAYMENT (check one) | | | | | | | | | | | | | | | | | |
| 1. <input checked="" type="checkbox"/> Payment enclosed: <input checked="" type="checkbox"/> Check # 52311 <input type="checkbox"/> Money order <input type="checkbox"/> Other | | | 2. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Account Number: 02-4943 Deposit Account Name: <input type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the issue Fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance. 37 CFR 1.311 (b). | | | | | | | | | | | | | | |
| FEE CALCULATION | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Fee Code</th> <th style="text-align: left;">Fee(s)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1808</td> <td>1.17(h)</td> <td>Processing fee</td> <td style="text-align: right;">\$130.00</td> </tr> <tr> <td colspan="3" style="text-align: right; padding-top: 20px;">TOTAL:</td> <td style="text-align: right; padding-top: 20px;">\$130.00</td> </tr> </tbody> </table> | | | | | | Fee Code | Fee(s) | Fee Description | Fee Paid | 1808 | 1.17(h) | Processing fee | \$130.00 | TOTAL: | | | \$130.00 |
| Fee Code | Fee(s) | Fee Description | Fee Paid | | | | | | | | | | | | | | |
| 1808 | 1.17(h) | Processing fee | \$130.00 | | | | | | | | | | | | | | |
| TOTAL: | | | \$130.00 | | | | | | | | | | | | | | |
| submitted by: Robert E. Bushnell, Attorney-at-Law Suite 300, 1522 "K" Street, N.W. Washington, D.C. 20005-1202 | | | | Complete (if applicable) | | | | | | | | | | | | | |
| Typed or Printed Name | Robert E. Bushnell | | Payor No. <u>008439</u> | Reg. No. | 27,774 | | | | | | | | | | | | |
| Signature |  | | Date | March 27, 2007 | Deposit Account User ID | | | | | | | | | | | | |

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PATENT
P56908

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Patent No.: 7,176,614
(Issued on 13 February 2007)

Soo-Joung Lee, et al.

Serial No.: 10/706,984

Examiner: Raabe, Christophoer M

Filed: 14 November 2003

Art Unit: 2879

For: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING
CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

Petition to grant REQUEST FOR CERTIFICATE OF CORRECTION

MAIL STOP:Petitions
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

OFFICE OF PETITIONS

Pursuant to 37 C.F.R. §3.81 (b), Applicant petitions to grant accompanying Request for Certificate
of Correction to correct

In the O.G.page: (73) Assignee:

From: " Samsung Electronics Co., Ltd. "

To - - **Samsung SDI Co., Ltd.** - - :

03/28/2007 TBESHAH1 00000026 7176614

01 FC:1464

130.00 0P

Folio: P56908
Date: 3/27/07
I.D.: REB/syk



PATENT
P56908

REMARKS


The erroneous Assignee data was provided by the Applicant inadvertently in item 3 of the Issue Fee Transmittal Form PTOL-85B. The correction, which does not involve changes in the patent that constitute new matter or require reexamination.

The processing fee of \$130.00 set forth under 37 C.F.R. 1.17 (h) accompanies this Petition. The fee of \$100.00 required under 37 C.F.R. 1.323 was previously submitted on 2 March 2007 (via check No. 52189) with Request for Certificate of Correction filed on 2 March 2007.

Also accompanied are copies of Notice of Recordation of Assignment Document and signed Assignment recorded on Reel No. 014701 and at Frame No. 0487.

**Applicant further petitions that file be forwarded to Certificates of Correction Branch,
for issuance of a Certificate of Correction.**

Respectfully submitted,



Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

Enclosures: Check No. 52311 (for \$130.00) and copies of Notice of Recordation of Assignment Document and Assignment
& Request for Certificate of Correction
Folio: P56908
Date: 3/27/07
REB/syk

0002/PTO

56908

March 2, 07

FEE TRA

COPY

Patent No.: 7,176,614 (Issued on 13 February 2007)
 In re Application of:
 Soo-Joung Lee, et al.
 Serial No.: 10/706,984
 Filed: 14 November 2003
 For: FLAT PANEL DISPLAY DEVICE HAVING
 ANODE SUBSTRATE INCLUDING
 CONDUCTIVE LAYERS MADE OF CARBON-
 BASED MATERIAL

TOTAL AMOUNT OF

Document filed:

1. ☒ Payment enclosed:☒ Check # 52189☐ Money order☐ Other

X. Request for Certificate of Correction

X. PTO 1050

X. Fee Transmittal, check No. 52189 (\$100.00), copies Filing
 Receipt, Notice of Recordation of Assignment Document,
 Assignment.

Deposit Account Name:

52189

ROBERT E. BUSHNELL

LAW OFFICE
 1522 K STREET, N.W., SUITE 300
 WASHINGTON, DC 20005-1202
 (202) 408-9040

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15-7011/2540

3/2/2007

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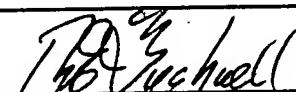


AUTHORIZED SIGNATURE

MEMO

Certificate of Correction Patent No. 7,176,614

⑈052189⑈ ⑆254070116⑆ ⑈1513 8496⑈

| | | | | | |
|--|---|------------------|---------------|--------------------------|--|
| submitted by: Robert E. Bushnell, Attorney-at-Law Suite 300, 1522 "K" Street, N.W. Washington, D.C. 20005-1202 | | | | Complete (if applicable) | |
| Typed or Printed Name | Robert E. Bushnell | Payor No. 008439 | Reg. No. | 27,774 | |
| Signature |  | Date | March 2, 2007 | Deposit Account User ID | |

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|------------|-----------------------|----------|----------------|-----------------|----------|----------|----------|
| APPL NO. | FILING OR (c) DATE | ART UNIT | FILE FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
| 10/706,984 | 11/14/2003 | 2573 | 770 | P56908 | 4 | 20 | 2 |

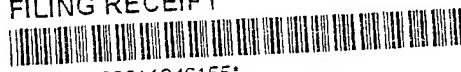
Robert E. Bushnell
Suite 300
1522 K Street, N.W.
Washington, DC 20005-1202

FEB 24 2004

UC

CONFIRMATION NO. 7494

FILING RECEIPT



OC000000011946155

Date Mailed: 02/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Soo-Joung Lee, Ahnyang-city, KOREA, REPUBLIC OF;
Hun-Young-Kim, Seoul, KOREA, REPUBLIC OF;

Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 0003278/2003 01/17/2003

If Required, Foreign Filing License Granted: 02/19/2004

Projected Publication Date: 07/22/2004

Non-Publication Request: No

Early Publication Request: No

Title

Flat panel display device having anode substrate including conductive layers made of carbon-based material

Preliminary Class



LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

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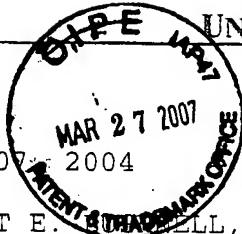
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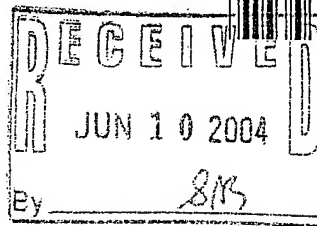


UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 07 2004

PTAS
ROBERT E. SULLIVAN, ATTORNEY AT LAW
1522 K STREET, N.W., SUITE 300
WASHINGTON, DC 20005-1202



102605097A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/14/2003

REEL/FRAME: 014701/0487
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SOO-JOUNG

DOC DATE: 11/03/2003

ASSIGNOR:

KIM, HUN-YOUNG

DOC DATE: 11/03/2003

ASSIGNEE:

SAMSUNG SDI CO., LTD.
575, SHIN-DONG
PALDAL-GU
SUWON-CITY, KYUNGKI-DO
REPUBLIC
OF KOREA

RECEIVED
MAY 21 2007
OFFICE OF PETITIONS

SERIAL NUMBER: 10706984

FILING DATE: 11/14/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING
CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

11-20
102605097
THIS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1) SOO-JOUNG LEE
2) HUN-YOUNG KIMAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: November 3, 2003

2. Name and address of receiving party(ies):

SAMSUNG SDI CO., LTD.,
a corporation organized under the laws of the Republic of Korea
 575, Shin-Dong
 Paldal-Gu, Suwon-City, Kyungki-Do
 Republic of KOREA

Additional name(s) & addresses attached? ☐ Yes ☒ No

4. Application number(s) or Patent number(s):

If this document is being filed together with a new application, the execution of the application is: 14 November 2003

A. Patent Application No.(s)

101706984

B. Patent No.(s)

Additional number(s) attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert E. Bushnell
 Attorney at Law
 Suite 300, 1522 "K" Street, N.W.
 Washington, D.C. 20005-1202
 (202) 408-9040

6. Total Number of applications and patents involved: ONE7. Total fee (37 CFR § 3.41) \$ U.S. \$40.00

- ☒ Enclosed (Check #44976)
☐ Authorized to be charged to deposit account

8. Deposit Account Number:

(Attach duplicate copy of this page if paying by deposit account)

11/20/2003 DBYNE 00000026 10706984

01 FD:8021

40.00 DP

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9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT E. BUSHNELL

Name of Person Signing

Signature

14 November 2003

Date

Total number of pages including cover sheet: TWO

OMB No. 0651-0011 (exp. 4/94)

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ASSIGNMENT

DOCKET NO. P56908

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:
IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE:

SAMSUNG SDI CO., LTD.,

a corporation organized under the laws of the Republic of Korea,

ADDRESS:

575, Shin-Dong
Paldal-Gu, Suwon-City, Kyungki-Do
Republic of KOREA,

RECEIVED

MAY 21 2007

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and to the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

OFFICE OF PETITIONS

**TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE
INCLUDING CONDUCTIVE LAYERS MADE OF CARBON-BASED
MATERIAL**

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:



executed on even date herewith, or



Serial No. _____ filed in the U.S. Patent & Trademark Office on _____, or



executed on _____

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG SDI CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(s)

Date Signed

Witness(es)

1) Soo - Young Lee (Seal)
SOO-YOUNG LEE

Nov. 3, 2003

Park Yun Ha
Yun-Ha Park

2) Hun-Young Kim (Seal)
HUN-YOUNG KIM

Nov. 3, 2003

Park Yun Ha
Yun-Ha Park

3) _____ (Seal)

4) _____ (Seal)



Additional inventors are being named on separately numbered sheets attached hereto.



PATENT
P56908

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Patent No.: 7,176,614
(Issued on 13 February 2007)

Soo-Joung Lee, et al.

Serial No.: 10/706,984

Examiner: Raabe, Christophoer M

Filed: 14 November 2003

Art Unit: 2879

For: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING
CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

REQUEST FOR CERTIFICATE OF CORRECTION

MAIL STOP: Certificate of Correction

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P.O. Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

OFFICE OF PETITIONS

Pursuant to 37 C.F.R. §1.323, Applicant requests approval of the accompanying Certificate of
Correction to correct

In the O.G.page: (73) Assignee:

From: " Samsung Electronics Co., Ltd. "

To - - **Samsung SDI Co., Ltd.** - - :

Folio: P56908
Date: 3/27/07
I.D.: REB/syk

REMARKS

The mistake was made by the Applicant. The correction, which does not involve changes in the patent that constitute new matter or require reexamination.

The appropriate fee of \$100.00 under 37 C.F.R. 1.20(a) was previously submitted on 2 March 2007 accompanied with Request for Certificate of Correction filed on 2 March 2007.

Also enclosed are copies of Filing Receipt, Notice of Recordation of Assignment Document and signed Assignment recorded on Reel No. 014701 and at Frame No. 0487.

Respectfully submitted,



Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
(202) 408-9040

Enclosures: **copy** of Check No. 52189 (for \$100.00) previously paid on 2 March 2007
copies of Filing Receipt, Notice of Recordation of Assignment Document and
signed Assignment

Folio: P56908
Date: 3/27/07
I.D.: REB/syk

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,176,614
APPLICATION NO.: 10/706,984
ISSUE DATE : 13 February 2007
INVENTOR(S) : Soo-Joung Lee, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

In the O.G. page:

(73) Assignee:

Please correct: “ Samsung Electronics Co., Ltd. “

to - - Samsung SDI Co., Ltd. - -

MAILING ADDRESS OF SENDER:

Robert E. Bushnell, Esq.
1522 K Street, N.W., Suite 300
Washington, D.C. 20005

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,176,614
APPLICATION NO.: 10/706,984
ISSUE DATE : 13 February 2007
INVENTOR(S) : Soo-Joung Lee, et al.

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(73) Assignee:

Please correct: “ Samsung Electronics Co., Ltd. “

to - - Samsung SDI Co., Ltd. - -

MAILING ADDRESS OF SENDER:

Robert E. Bushnell, Esq.
1522 K Street, N.W., Suite 300
Washington, D.C. 20005



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MAR 27 2007

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| APPL NO. | FILING OR 371 (c) DATE | AR | FILE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|------|------------|-----------------|----------|----------|----------|
| 10/706,984 | 11/14/2003 | 2673 | 770 | P56908 | 4 | 20 | 2 |

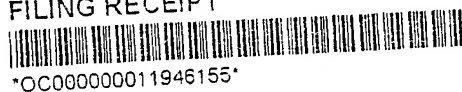
Robert E. Bushnell
Suite 300
1522 K Street, N.W.
Washington, DC 20005-1202

FEB 24 2004

UC

CONFIRMATION NO. 7494

FILING RECEIPT



OC000000011946155

Date Mailed: 02/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Soo-Joung Lee, Ahnyang-city, KOREA, REPUBLIC OF;
Hun-Young Kim, Seoul, KOREA, REPUBLIC OF;

Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 0003278/2003 01/17/2003

If Required, Foreign Filing License Granted: 02/19/2004

Projected Publication Date: 07/22/2004

Non-Publication Request: No

Early Publication Request: No

Title

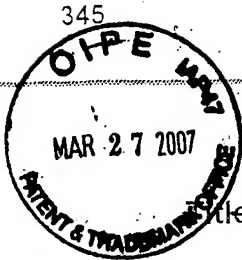
Flat panel display device having anode substrate including conductive layers made of carbon-based material

Preliminary Class

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LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
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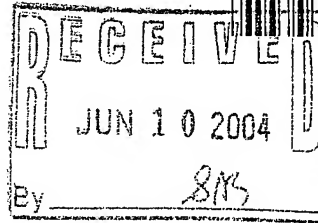
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MAR 27 2007

JUNE 07, 2004

PTAS
ROBERT E. BUSHNELL ATTORNEY AT LAW
1522 K STREET, N.W., SUITE 300
WASHINGTON, DC 20005-1202



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NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SOO-JOUNG

DOC DATE: 11/03/2003

ASSIGNOR:

KIM, HUN-YOUNG

DOC DATE: 11/03/2003

ASSIGNEE:

SAMSUNG SDI CO., LTD.
575, SHIN-DONG
PALDAL-GU
SUWON-CITY, KYUNGKI-DO
REPUBLIC
OF KOREA

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MAY 21 2007

SERIAL NUMBER: 10706984

FILING DATE: 11/14/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING
CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
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1. Name of conveying party(ies):

1) SOO-JOUNG LEE
2) HUN-YOUNG KIMAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: November 3, 2003

2. Name and address of receiving party(ies):

SAMSUNG SDI CO., LTD.,
a corporation organized under the laws of the Republic of Korea
 575, Shin-Dong
 Paldal-Gu, Suwon-City, Kyungki-Do
 Republic of KOREA

Additional name(s) & addresses attached? ☐ Yes ☒ No

4. Application number(s) or Patent number(s):

If this document is being filed together with a new application, the execution of the application is: **14 November 2003**

A. Patent Application No.(s)

101706984

B. Patent No.(s)

Additional number(s) attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert E. Bushnell
 Attorney at Law
 Suite 300, 1522 "K" Street, N.W.
 Washington, D.C. 20005-1202
 (202) 408-9040

6. Total Number of applications and patents involved: ONE7. Total fee (37 CFR § 3.41) \$ U.S. \$40.00

- ☒ Enclosed (Check #44976)
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT E. BUSHNELL

Name of Person Signing

Robert E. Bushnell
Signature14 November 2003

Date

Total number of pages including cover sheet: TWO

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ASSIGNMENT

DOCKET NO. P56908

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:
IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: **SAMSUNG SDI CO., LTD.,**
a corporation organized under the laws of the Republic of Korea,
ADDRESS: 575, Shin-Dong
Paldal-Gu, Suwon-City, Kyungki-Do
Republic of KOREA,

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: **FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL**

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:



executed on even date herewith, or



Serial No. _____ filed in the U.S. Patent & Trademark Office on _____, or



executed on _____

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG SDI CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(s)

Date Signed

Witness(es)

1) Soo - Young Lee (Seal)
SOO-YOUNG LEE

Nov. 3, 2003

Park Yun Ha
Yun-Ha Park

2) Hun-Young Kim (Seal)
HUN-YOUNG KIM

Nov. 3, 2003

Park Yun Ha
Yun-Ha Park

3) _____ (Seal)

4) _____ (Seal)



Additional inventors are being named on separately numbered sheets attached hereto.

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OFFICE OF PETITIONS

Patent No.: 7,176,614 (Issued on 13 February 2007)

In re Application of:

Soo-Joung Lee, et al.

Serial No.: 10/706,984

Filed: 14 November 2003

For: FLAT PANEL DISPLAY DEVICE HAVING
ANODE SUBSTRATE INCLUDING
CONDUCTIVE LAYERS MADE OF CARBON-
BASED MATERIAL

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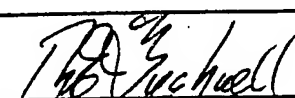
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Certificate of Correction Patent No. 7,176,614

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|--|---|------------------|---------------|--------------------------|--|
| submitted by: Robert E. Bushnell, Attorney-at-Law Suite 300, 1522 "K" Street, N.W. Washington, D.C. 20005-1202 | | | | Complete (if applicable) | |
| Typed or Printed Name | Robert E. Bushnell | Payor No. 008439 | Reg. No. | 27,774 | |
| Signature |  | Date | March 2, 2007 | Deposit Account User ID | |

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